

ABSTRACT

A method and system for increasing security of a software program by obfuscation of program execution flow is disclosed, wherein the software program is executed on a computer system that includes a user-level protected mode and a kernel-level unprotected mode. The method and system include first identifying critical code segments to be hidden in the software program. The non-critical portions of the software program are then executed in the user-level protected mode, while the critical code segments are executed within respective exception handlers, thereby hiding execution of the critical code segments from a debugger program.